

## SEQUENCE LISTING

<110> Anderson, Christen M.  
 Davis, Robert E.  
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 Wiley, Sandra Eileen  
 Willer, Scott W.  
 Szabo, Tomas R.  
 Ghosh, Soumitra S.  
 Moos, Walter H.  
 Pei, Yazhong

<120> PRODUCTION OF ADENINE NUCLEOTIDE TRANSLOCATOR (ANT),  
 NOVEL ANT LIGANDS AND SCREENING ASSAYS THEREFOR

<130> 660088.420D1

<140> US

<141> 2001-03-14

<160> 37

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 894

<212> DNA

<213> Homo sapien

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gccagcaaac	agatcagtgc	tgagaagcag	tacaaaggga	tcattgattg	tgtggtgaga	180
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ttggctgctg	atgtgggcag	gcgcgcgccag	cgtgagttcc	atggtctggg	cgactgtatc	480
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<210> 2

<211> 897

<212> DNA

<213> Homo sapien

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gccagcaagc	agatcactgc	agataagcaa	tacaaaggca	ttatagactg	cgtgggtccgt	180
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<210> 3
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atcttcagag atgagggggg caaggccttc ttcaagggtg cgtggtccaa cgtcctgcgg 840
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<210> 4
<211> 43
<212> DNA
<213> Artificial Sequence

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<220>
<223> PCR Primer

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<400> 4
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<210> 5
<211> 43
<212> DNA
<213> Artificial Sequence

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<220>
<223> PCR Primer

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<210> 6

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<220>  
<223> PCR Primer

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<210> 7
<211> 43
<212> DNA
<213> Artificial Sequence
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<220>  
<223> PCR Primer

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<211> 44
<212> DNA
<213> Artificial Sequence
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<220>  
<223> Sequence primer

$\langle 210 \rangle$	11
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$\langle 212 \rangle$	DNA

<213> Artificial Sequence

<220>

<223> Sequence primer

<400> 11

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18

<210> 12

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> Mutagenic oligonucleotide primer

<400> 12

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45

<210> 13

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> Mutagenic oligonucleotide primer

<400> 13

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45

<210> 14

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR primer

<400> 14

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35

<210> 15

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR primer

<400> 15

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34

<210> 16

<211> 41

<212> DNA

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<220>  
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<210> 17  
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<210> 18  
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<400> 18  
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<213> Artificial Sequence

<223> Mutagenic oligonucleotide primer

<400> 24

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<211> 31

<213> Artificial Sequence

<223> Mutagenic oligonucleotide primer

<400> 25

31

$\langle 211 \rangle$  41

<213> Artificial Sequence

<223> PCR primer

<400> 26

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41

<210> 27  
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 <212> DNA  
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<220>  
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<400> 27  
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41

<210> 28  
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 <212> DNA  
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<400> 28  
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42

<210> 29  
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 <212> DNA  
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<220>  
 <223> PCR primer

<400> 29  
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<210> 30  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic polypeptide

<400> 30  
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<210> 31  
 <211> 297  
 <212> PRT  
 <213> Homo sapien

<400> 31  
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<210> 33
<211> 298
<212> PRT
<213> Homo sapien
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Lys	Leu	Leu	Leu	Gln	Val	Gln	His	Ala	Ser	Lys	Gln	Ile	Ala	Ala	Asp
Lys	Gln	Tyr	Lys	Gly	Ile	Val	Asp	Cys	Ile	Val	Arg	Ile	Pro	Lys	Glu
Gln	Gly	Val	Leu	Ser	Phe	Trp	Arg	Gly	Asn	Leu	Ala	Asn	Val	Ile	Arg
Tyr	Phe	Pro	Thr	Gln	Ala	Leu	Asn	Phe	Ala	Phe	Lys	Asp	Lys	Tyr	Lys
Gln	Ile	Phe	Leu	Gly	Gly	Val	Asp	Lys	His	Thr	Gln	Phe	Trp	Arg	Tyr
Phe	Ala	Gly	Asn	Leu	Ala	Ser	Gly	Gly	Ala	Ala	Gly	Ala	Thr	Ser	Leu
Cys	Phe	Val	Tyr	Pro	Leu	Asp	Phe	Ala	Arg	Thr	Arg	Leu	Ala	Ala	Asp
Val	Gly	Lys	Ser	Gly	Thr	Glu	Arg	Glu	Phe	Arg	Gly	Leu	Gly	Asp	Cys
Leu	Val	Lys	Ile	Thr	Lys	Ser	Asp	Gly	Ile	Arg	Gly	Leu	Tyr	Gln	Gly
Phe	Ser	Val	Ser	Val	Gln	Gly	Ile	Ile	Ile	Tyr	Arg	Ala	Ala	Tyr	Phe
Gly	Val	Tyr	Asp	Thr	Ala	Lys	Gly	Met	Leu	Pro	Asp	Pro	Lys	Asn	Thr
His	Ile	Val	Val	Ser	Trp	Met	Ile	Ala	Gln	Thr	Val	Thr	Ala	Val	Ala

Gly Val Val Ser Tyr Pro Phe Asp Thr Val Arg Arg Arg Met Met Met  
 225 230 235 240  
 Gln Ser Gly Arg Lys Gly Ala Asp Ile Met Tyr Thr Gly Thr Val Asp  
 245 250 255  
 Cys Trp Arg Lys Ile Phe Arg Asp Glu Gly Gly Lys Ala Phe Phe Lys  
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<210> 34  
 <211> 41  
 <212> DNA  
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<220>  
 <223> Primer for PCR amplification of human ANT3 for  
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<400> 34  
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<210> 35  
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 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Primer for PCR amplification of human ANT3 for  
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<400> 35  
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<210> 36  
 <211> 30  
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<220>  
 <223> Primer for PCR amplification of EYFP

<400> 36  
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<210> 37  
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<220>  
 <223> Primer for PCR amplification of EYFP

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